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PTO/SB/05 (03-01)  
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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37  
CFR 1.53(b))

**Attorney Docket No.** 66638/42647  
**First Inventor** Pitt, Dale M.  
**Title** Intelligent Multifunctional Actuation System for Vibration and Buffet  
Suppression  
**Express Mail Label No.** EV 388209505 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent  
application contents.

1. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
2. ☒ Specification [Total Pages No. 20]  
(preferred arrangement set forth below)  
☒ Descriptive title of the invention  
☐ Cross Reference to Related Applications  
☐ Statement Regarding Fed sponsored R & D  
☐ Reference to sequence listing, a table,  
or a computer program listing appendix  
☒ Background of the Invention  
☒ Brief Summary of the Invention  
☒ Brief Description of the Drawings (if filed)  
☒ Detailed Description  
☒ Claim(s)  
☒ Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets No. 4]
4. Oath or Declaration [Total Pages No. 2]  
a. ☒ Newly executed (original or copy)  
b. ☐ Unexecuted  
c. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

**ADDRESS TO:**

Assistant Commissioner for Patents  
Box Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

5. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)  
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**


7. ☒ Assignment Papers (cover sheet & document(s))  
8. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)  
9. ☐ English Translation Document (if applicable)  
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations  
11. ☐ Preliminary Amendment  
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)  
13. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)  
14. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.  
15. ☒ Certificate of Express Mailing  
16. ☐ Other: \_\_\_\_\_

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_ / \_\_\_\_\_  
Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is  
supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby  
incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted  
application parts.

**18. CORRESPONDENCE ADDRESS**

<input type="checkbox"/> Customer Number or Bar Code Label	 21888 PATENT TRADEMARK OFFICE	or <input checked="" type="checkbox"/> Correspondence address below
------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Name	Robert L. Villhard	Registration No. (Attorney/Agent)	53,725
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form  
should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: ASSISTANT  
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PATENT APPLICATION FEE DETERMINATION RECORD				Application or Docket Number 66638/42647	
CLAIMS AS FILED - PART I				SMALL ENTITY	OR OTHER THAN SMALL ENTITY
FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE	FEE
BASIC FEE (37 CFR 1.16(a))					\$ 0
TOTAL CLAIMS (37 CFR 1.16(c))	29	minus 20 = *	9	x \$	= 18.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	7	minus 3 = *	4	x \$	= 86.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))				+ \$	= 290.00
* If the difference in column 1 is less than zero, enter "0" in column 2				TOTAL	1,276.00

- ☐ A check in the amount of \$\_\_\_\_\_ is attached.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 20-0823 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$1,276.00 for the patent filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

  
Signature

Dated: March 11, 2004

Robert L. Villhard, Reg. #53,725  
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21888

PATENT TRADEMARK OFFICE

I certify that the document and fee is being deposited on March 11, 2004 with the U.S. Postal Service as Express Mail under 37 CFR 1.10 and is addressed to the BOX PATENT APPLICATION, Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail No. EV 388209505 US

  
Signature of Person Mailing Correspondence

Robert L. Villhard  
Typed or Printed Name of Person Mailing Correspondence

**EXPRESS MAIL CERTIFICATE OF MAILING (37 CFR 1.10)****Express Mail No. EV 388209505 US**

Docket No.

66638/42647

In Re Application Of:

Pitt, Dale M.

Serial No.  
to be assignedFiling Date  
herewithExaminer  
unknownGroup Art Unit  
unknown

Title:

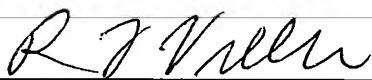
Intelligent Multifunctional Actuation System for Vibration and Buffet Suppression

**TO THE COMMISSIONER OF PATENTS AND TRADEMARKS**

Transmitted herewith is:

## Utility Patent Application Transmittal:

- ☒ Patent Application  
☒ Drawings: 4 Sheets ☒ Formal ☐ Informal;  
☒ Power of Attorney: ☒ Executed ☐ Not executed  
☒ Declaration: ☒ Executed ☐ Not executed  
☒ Assignment with Recordation Form  
☐ Information Disclosure Statement with References (☐)  
☐ NonPublication Request under 35 U.S.C. 122(b)(2)(B)(i)  
☒ Postcard  
☐ A check in the amount of \$            is attached



Signature

Dated: March 11, 2004

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St. Louis, Missouri 63101  
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Typed or Printed Name of Person Mailing Correspondence